

SWIMMING POOL/ SPA PLAN APPROVAL REQUIREMENTS

**COUNTY OF SAN LUIS OBISPO-PUBLIC HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
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PLAN AND SEPCIFICATION REQUIREMENTS

A person proposing to construct, reconstruct or alter a swimming pool or auxiliary structure or equipment, shall submit legible plans and specifications to the County of San Luis Obispo, Department of Environmental Health Services for review and written approval prior to commencing the work and in advance of the issuance of any building, plumbing or electrical permits.

- A minimum of 3 complete sets of plans are required. This department will retain one copy of the plans and specifications submitted for approval. Plans should include all items listed below.
- This Department must approve all equipment, materials, and methods of construction.
- This Department must approve any changes in construction plans or equipment. Changes may require additional plan check fees.
- Pool plan approval does not authorize the violation of any law, ordinance, or regulation. Final approval is subject to field inspection and evaluation.
- Plan approvals are valid for a period of one year.
- No pool or spa shall operate without written approval by this Department.

CONSTRUCTION INSPECTIONS

Three Department of Health Services inspections are required for completion of a pool or spa. Call for inspection at least two working days prior to:

1. Guniting or backfilling a pool or spa.
2. Plastering a pool or spa.
3. Placing a pool or spa in operation (final inspection).

ITEMS TO BE INCLUDED

(Missing items may delay plan approval)

1. Job Address- street number, city, zip
2. Name, mailing address, and telephone number of pool builder and owner.
3. Scaled drawings (see diagrams and illustration at back of requirements)
 - A. Scale
 1. All pools other than spa pools, $\frac{1}{4}'' = 1$ ft. (top and profile view).
 2. Spa pools, $\frac{1}{2}'' = 1$ ft. (top and profile view).
 - B. General Data
 1. Surface area in sq. ft.

2. Volume or total pool capacity in gallons.
3. Color of plaster or pool surface.

C. Top View

1. Dimensions (length, width)
2. Suction and return line plumbing sizes and type of material. Include location of skimmer(s), split suction drain(s), equalizers and return lines.
3. Four to six inch wide, slip resistant tiles of contrasting color, along the bottom of the pool where the water depth is 4 1/2 ft. (Pools with a maximum water depth of 5 ft or less do not require a marking line).
4. Stairs, ladders, grab rails, handrails.
5. Location of depth markers.
6. Contrasting tile on stairs and benches of spas. (Recommended but not required)
7. Fill line location.
8. Pool light location(s) and wattage.
9. Emergency shut-off switch location for spa pools.
10. Diving board (if any) location and distance from board center to sidewalls or other diving boards.

D. Profile View (longitudinal Section)

1. Dimensions (length)
2. Depths at the shallow end wall, depths at any beginning or ending in breaks in slope and depth at the main drain (all depths should be from the floor to the normal water level).
3. Location of safety line anchors, if required.
4. Stairs, with tread and riser dimensions.
5. Dimensions of handrails with distance above the deck and each step of the stair.
6. Sectional view of coping.
7. Water line tile.
8. Diving board (if any) with distance diving board extends over the pool and depths below the diving board.

E. Plot Plan, Deck Details and Pool Enclosure

1. Scaled plot plan showing pool location on property in relation to adjacent buildings.
2. Equipment room dimensions, placement of equipment and location in relation to the pool.
3. Deck details.
 - a. Pool location on deck.
 - b. A minimum of 4 ft. of unobstructed decking around pool (6 ft. between a pool and a spa).
 - c. Clearances from pool edge to pool enclosure and clearances outside of pool enclosure.
 - d. Type of deck drainage.
 - e. Deck material.
 - f. Hose bibs within pool area with approved backflow devices.
4. Bathroom Details (when required)
 - A. Separate restrooms for men and women.

- B. Smooth, moisture resistant wall finishes throughout.
- C. Floor must extend upwards onto the walls at least 5 in. with an integrally coved junction and shall slope to floor drain(s).
- D. Shower(s) with adequate drainage and hot and cold water (when required).
- E. Hand lavatory with single-service soap and towel dispensers and hot and cold water.
- F. Water closet(s) and urinal(s).
- G. Drinking fountain in pool area (when required).

5. Equipment List

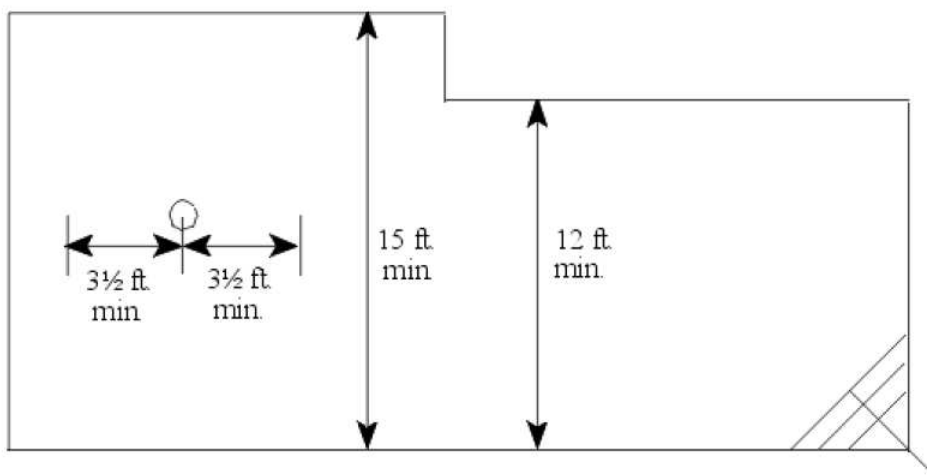
- A. Filter: make and model number and square footage.
- B. Filtration pump: make and model number and horsepower rating (include booster pumps of spas).
- C. Additional pumps: make and model number and horsepower rating (spas, attraction pumps, etc.).
- D. Skimmer(s): make and model number.
- E. Influent and effluent pressure gauges.
- F. Chlorinator: make and model number.
- G. Flow meter: make and model number.
- H. Backwash plumbing to sewer with air gap. Separation tank if required.
- I. Fresh water fill line from a potable water source with approved backflow prevention device.
- J. Suction grates: make and model number
- K. Emergency shut off switch for all spa pumps and blowers.
- L. Solar heater system detail, if being installed

SAFETY EQUIPMENT AND SIGNS

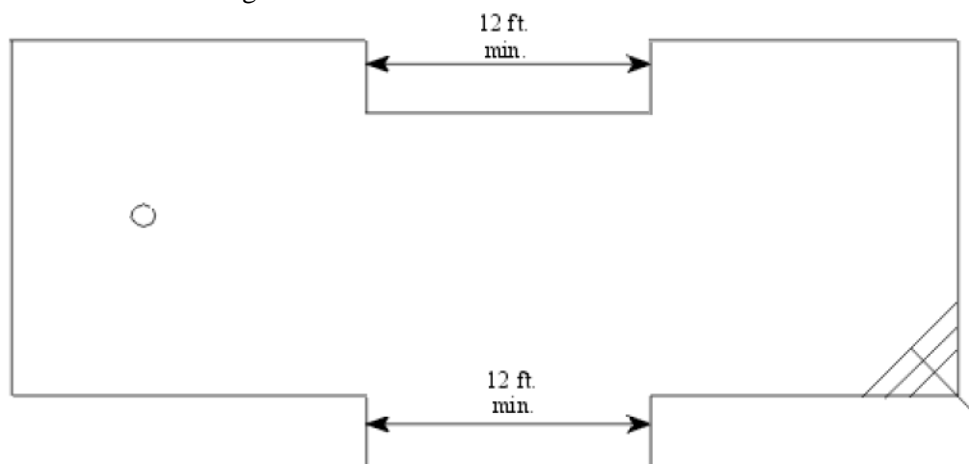
- A. Signs
 - 1. No lifeguard on duty sign.
 - 2. Illustrated artificial respiration sign.
 - 3. Emergency phone number.
 - 4. Occupant capacity sign (pool and spa).
 - 5. No diving sign (if needed).
 - 6. Spa warning sign for spa pools.
 - 7. Emergency shut off switch sign for spa pools.
- B. Body hook attached to a pole at least 12 ft. in length.
- C. Life ring with rope attached. The rope must be as long as the width of the pool.
- D. Pool test kit, DPD type and pH.

POOL AND SPA REQUIREMENTS

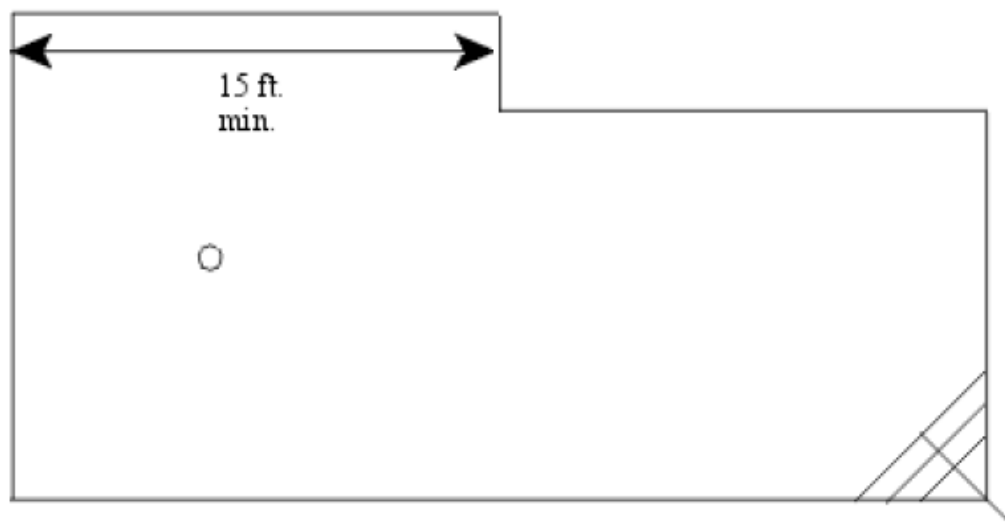
1. All swimming pools must be lined with white plaster or a smooth, waterproof, white interior finish, impervious to moisture and constructed of reinforced concrete or a material equivalent in strength and durability. Tile used for lining within a pool or spa must be submitted to this Department for approval.
2. The maximum allowed water depth at the shallow end of the pool is 3 1/2 ft. Depths greater than this will be allowed if the pool is at least 15 ft. wide at the base of the stairs and required slopes are observed from the steps outward. In all cases, the water depth at the base of any portion of a stair must not exceed 3 1/2 ft.
3. All swimming pools must have a minimum width of at least 15 ft. at the main drain. This width must extend for at least 3 1/2 ft. from the main drain towards the deep end wall and 3 1/2 ft. towards the shallow end wall. This measurement shall be made on a line perpendicular to the deep end wall and parallel to the sidewalls. For remaining portions of the pool, pool walls shall have a clearance perpendicular to a tangent to the wall for a distance of at least 12 ft. Pools with curved shapes must have a minimum radius of at least 6 ft. at the shallow end and a minimum radius of at least 7 1/2 ft. at the deep end (see No. 5 for additional width requirements).



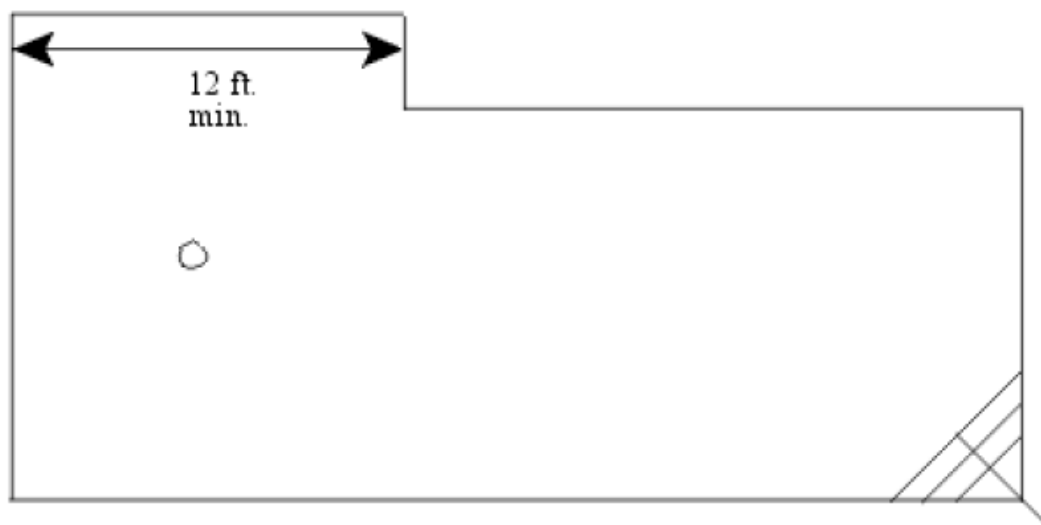
4. No swim outs, loveseats, recessed areas, benches or projections are permitted in swimming pools. An area is not considered a projection or recess and will be permitted if it is 12 ft. or more in length.



The following applies to “L” or irregularly shaped pools. For pools greater than 6 ft. in depth, pool walls from the deep end wall to the opposite wall in the “L” shape, shall have a clearance perpendicular to a tangent to the wall for a distance of at least 15 ft. except this distance shall be at least 12 ft. in pools with a maximum depth of 6 ft. or less.



For pools with a maximum water depth greater than 6 feet

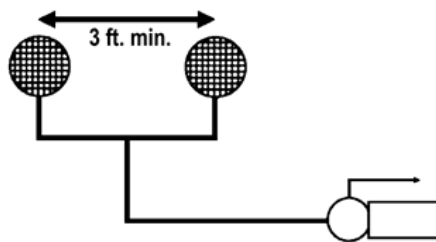


For pools with a maximum water depth of 6 feet or less

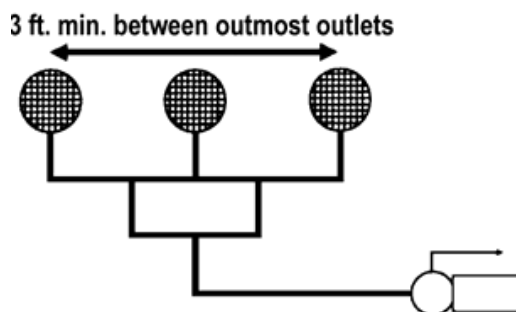
6. For pools with no diving boards, from the shallow end to a depth of at least 4½ ft., the slope must be no greater than 1 ft. vertically in 10 ft. horizontally. From the break in slope to the main drain, the slope must be no greater than 1 ft. vertically and 3 ft. horizontally. All slopes must be continuous. Pools with diving boards and special purpose pools may have additional slope requirements. See the pool code.
7. In pools having a change in slope, flush mounted devices for fastening a safety rope must be installed where the water depth is 4 ½ ft.
8. In pools greater than 5 ft. in depth, a straight line of slip resistant tile of contrasting color must be installed where the water depth is 4 ½ ft. The tile must be at least 4 in. but not greater than 6 in. wide.
9. Depth markers of contrasting color are required on both sides, at the minimum and maximum depths, points of break in slope, both ends, and when the pool is greater than 20 ft. wide, on the deck. When depth markers are required on a deck because the pool exceeds 20 ft. in one area, markers will be required on the deck at all locations. Depth markers on the deck must be a slip-resistant, permanent, durable type. Painted letters are not allowed. Any time the water depth is different on corresponding opposite sides of a pool, a depth marker is required on the deck at those points. Depth markers must be at least 3 in. in height and must be positioned to indicate the water depth accurate to the nearest 6 in. as measured from the pool floor to the middle of the skimmer opening. The pool must be lined with waterline tiles around the entire perimeter of the pool.
10. A ladder is required at the deep end of a pool having a water depth greater than 4 ½ ft.
11. Steps and step holds of ladders must have a minimum tread of 5 in. and width of 14 in. Hand railings must be provided at the top of both sides of the ladder and extend over the coping or edge of the deck.
12. Stairs are required at the shallowest end of all pools. All pools with two shallow ends, or deep and shallow configurations, require stairs at both shallow ends. Each stair must have the same dimensions as described in NO. 13 and 14 below.
13. All treads, except the top tread, must be between 12 in. and 18 in. wide and at least 24 in. across. If the top tread is convexly or triangularly shaped, it must have a radius of at least 18 in. and not more than 24 in. All treads must be uniform except for the top step when it is convexly or triangularly shaped. (See stair illustration at back of requirements)
14. All risers must be uniform and not exceed 12 in. in height. The top riser is measured from the deck or coping down to the first tread of the stair. Include deck thickness/coping in riser measurement. Measure from the top tread to a flat portion of the deck or coping. The bottom riser, which extends from the bottom tread to the pool floor, must be uniform. To accomplish this, the pool floor must be level from the shallow end wall out to a point where the stairs terminate towards the deep end of the pool. (See stair illustration at back of requirements).
15. A handrail is required for all stairs. The rail must be 28-36 in. above the deck and above each step tread as measured from a flat portion of the deck and the edges of each step tread to the top of the handrail. The rail must extend into the pool to a point not more

- than 12 in. from a vertical plane of the bottom riser (this is usually the bottom step tread). Double handrails are required on a spa pool if risers are greater than 9 in. in height, or if the spa bench is not at the same level as one of the step threads. There should be a minimum clearance of 3 in. between any handrail and step riser. (See handrail illustration at back of requirements).
16. All coping on pools and spas must extend out into the pool at least one in. and not more than two in. The coping must be no greater than 2½ in. thick. Standard bull-nosed coping may be installed horizontally since its edge flares up and prevents water from entering the pool. All other types of coping or cantilevered decking must be sloped at ¼ in. per foot away from the pool. (See coping illustration at back of requirements).
 17. A minimum 4 ft. wide continuous, slip resistant, non-abrasive, deck area of concrete or concrete-like material must be provided flush with the top of the pool and extend completely around the pool. Deck material other than concrete must be approved by this department. Wood decking or indoor-outdoor carpeting is not permitted. Deck measurements are made to the edge of the coping. The required decking around the pool or spa must be free of all posts, columns, or other obstructions. The deck must be level with the coping with no changes in elevation. All parts of the deck must drain naturally, or to floor drains at a slope of ¼ in. per ft., and not accumulate pockets of water. The space between the coping and the deck must be sealed with an appropriate caulking. A distance of at least 6 ft. must separate a spa pool from an adjacent swimming pool.
 18. Separate men and women's public toilets are required at the pool area if residential units are greater than 300 ft. walking distance from the pool. Vertical distances should also be included when calculating the distance. When bathroom facilities are required at a pool, they must be easily accessible by pool users, adjacent to the pool area, and located within 100 ft. walking distance. If two swimming pools are located on a property and all units are within 300 ft. walking distance of either swimming pool, no bathroom facilities are required. However, at facilities with separate swimming pools and spas, all living units must be within 300 ft. of the swimming pool and the spa in order to be exempt from having bathroom facilities. If a complex chooses to provide bathroom facilities at a pool or spa that is exempt from requiring bathrooms, the bathroom facilities need not comply with the swimming pool code in regards to separate men's and women's facilities and urinals and floor drains; however, they must be constructed for easily accessible cleaning.
 19. For the purpose of calculating the number of showers, toilets and lavatories, one bather shall be considered for every 15 sq. ft. of pool surface area.
 - One shower with hot and cold water must be provided for every 50 bathers.
 - One lavatory with hot and cold water must be provided for every 80 bathers.
 - Separate toilet facilities must be provided for each sex. One toilet must be provided for every 60 women, and one urinal must be provided for every 75 men.
 20. Shower and dressing facilities must be provided for users of a pool unless such facilities are available in adjacent living quarters.
 21. Each pool must have a separate recirculation and treatment system.
 22. Each pump located on any type of pool shall be plumbed with at least two suction outlets. Suction outlets shall be separated by a distance of at least 3 ft. but no greater than 6 ft. measured from the center of one suction pipe to the other. The suction drains must be

plumbed with a “T” in the center that is hydraulically balanced. Each branch of the “T” must be the same as the main suction plumbing.

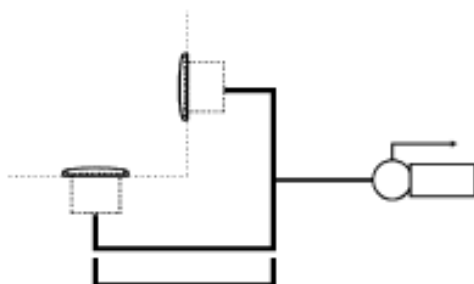


Dual Outlets



Three Outlets

23. In situations where room on the floor is limited, as in a spa, the suction outlets may be located less than 3 ft. apart as long as they are located on different design planes (e.g. one drain on the floor and one on the wall or two different walls) and as long as they are offset so a body cannot cover both suction outlets. When a suction outlet is located on a wall, the bottom edge of the cover/grate shall be within 3 in. of the floor.



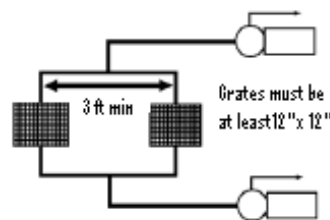
**Top View
Different Planes**

24. The maximum water velocity in a pump suction hydraulic system shall not exceed 6 ft. per second in wading pools and 8 ft. per second in all other types of pools.
25. All suction outlet covers/grates shall be tested and listed by a nationally recognized testing laboratory conforming to the most recent edition of ASME/ANSI A112.19.8. Covers/grates that comply to this edition will have the following logo embossed or permanently marked in a location that is visible when installed:

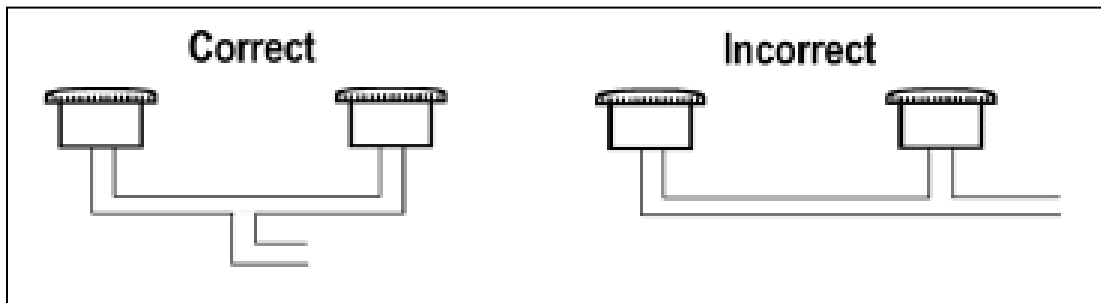


ASME/ANSI A112.19.8
For multiple drain Use Only
108 GPM
Life: 7 Years
Floor only
Quantum 1563-G

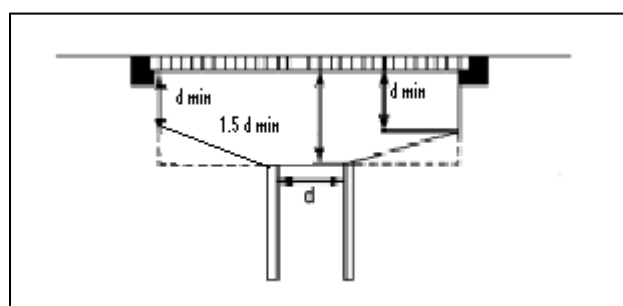
26. The flow rating of each cover/grate shall be equal to or greater than the flow rating of the connected pump. For example, if a pump is rated at 80 gpm at 60 ft of head, each cover/grate of the split suction must be rated at 80 gpm or greater. If there are 3 suction outlets, the total ratings of all cover/grates must be twice the flow rating of the pump.
27. Each branch of split suction shall terminate at its own suction outlet. Suction plumbing from two different pumps may terminate at one such outlet if the drain/grate is 12" x 12" or larger, and if the combined flow rate of each pipe is less than the flow rating of the cover/grate. See diagram below:



28. Split suctions must be plumbed so there is at least one 90-degree angle between the suction outlet opening and the main suction line going back to the pump. This 90-degree angle must be located prior to where the main suction line begins. See diagram below:



29. A main drain connected directly to a skimmer requires dual main drains. All covers/grates for all equalizer lines must comply with the requirements of a main drain except the covers/grates are not required to be within 3 in. of the pool floor.
30. Fasteners for suction fittings must be designed so that tools are required for disassembly. Standard slotted screwdrivers are not permitted for affixing covers to the suction fitting body. Fasteners must be corrosion resistant and equivalent to grade 316 stainless steel.
31. If the drain cover/grate is placed on a field-built sump and not part of the manufactured sump, the sump must comply with the following dimensions:

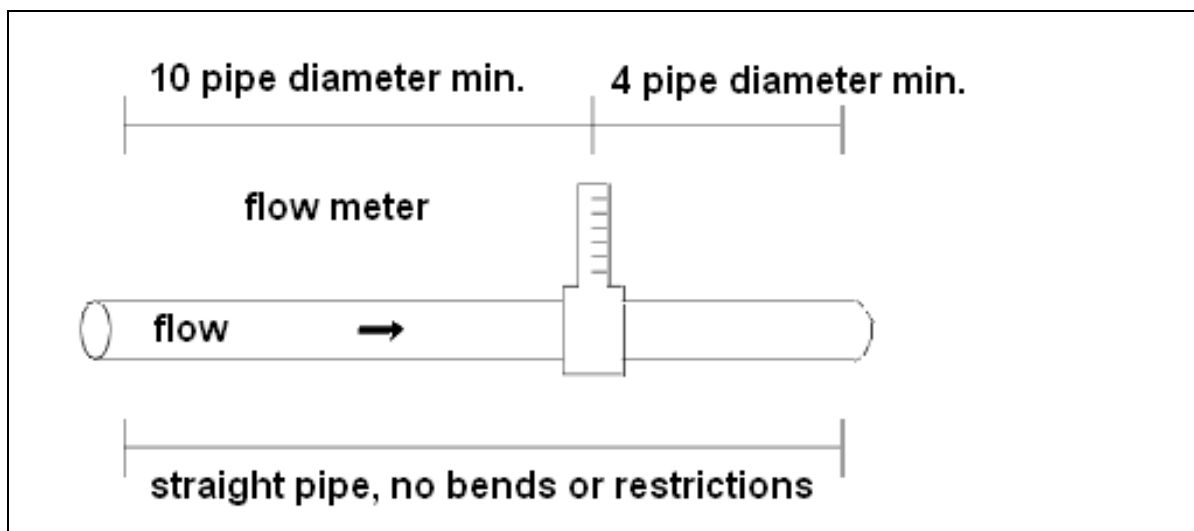


d= inside pipe diameter

32. A minimum turnover rate of six hours or less is required for a swimming pool.
A minimum turnover rate of one hour or less is required for a wading pool.
A minimum turnover rate of ½ hour or less is required for a spa pool.
33. A skimmer is required for each 500 ft. of pool surface area.
Skimmers must meet the following requirements:
- Skimmers must be built into the wall.
 - Skimmers must be individually adjustable.
 - Skimmers must have an air-lock protective device, which prevents leakage of air into the recirculation system.
 - Each skimmer must have a cleanable screen or basket, removable from an opening on the deck.
 - All skimmers not connected to a main drain require an equalizer line with an equalizer valve, covered with an approved grate. Pools and spas with one skimmer not connected to a main drain require a split equalizer line with an equalizer valve, covered with an approved grate.
34. Two return lines are required for the first 10,000 gallons and one return line for each additional 10,000 gallons. Return line inlets must be located at least 1 in. below the water line, except for spas. For pools exceeding 40 ft. in width, bottom return lines must be approved.
35. Filters must be sized according to the following:

Diatomaceous Earth	1-2 GPM/sq. feet (see ratings in equipment list)
Rapid Sand	3 GPM/sq. feet
High Rate sand	15 GPM/sq. feet
Cartridge	.375 GPM/sq. feet

36. Influent and effluent pressure gauges are required. The effluent pressure gauge must be placed on a straight length of pipe at the same elevation as the influent pressure gauge.
37. A flow meter must be installed on a horizontal straight run of pipe with a minimum of 10 pipe diameters before and 4 pipe diameters after the flow meter. It should be positioned after the filter and before the heater if a great enough distance can be maintained so that heated water will not damage the flow meter.



38. An automatic chlorinator capable of supplying not less than the equivalent of 2 pounds of gas chlorine per day per 10,000 gallons of pool water capacity is required. Gas chlorinators must supply 3 pounds of gas chlorine per day per 10,000 gallons of pool water capacity.
39. Diatomaceous earth filters must be permanently plumbed to a p-trap with a fixed air gap, and have a separation tank when required by the sewer permitting agency. Sand filters must be permanently plumbed to a p-trap with a fixed air gap. Cartridge filters must have an area set aside with a hose bib and floor drain to clean the filter. No direct connection of a pool or its recirculating system is permitted with a sanitary sewer, storm drain, or deck drain system. A sight glass is required when needed for observation of backwash water.
40. All plumbing must be sized so that the rate of flow does not exceed 10 ft. per second in PVC return lines, and 8 ft. per second in PVC suction lines, or any copper lines. Wading pools require 6 ft per section in suction lines.
41. Each pool must have a bottom drain to empty the water.
42. A permanently installed fill-line supplied by a potable water source and protected by an approved backflow device is required. The following backflow devices are required on fill lines of all pools and spas:
 - In-wall fill lines with no downstream valving require an automatic vacuum breaker.
 - Automatic fill lines with downstream valving require a pressure vacuum breaker.
 - Fill lines connected to a filtration suction, or return line or any pressurized line requires a reduced pressure principle backflow prevention device.
43. An adequate number of hose bibs are required in the pool area to allow a 75-ft. hose to reach all areas of the deck. Each hose bib must be protected by an approved backflow device.
44. An underwater white incandescent light is required in a swimming pool or spa. The light must be at least 0.5 watts per square ft. of pool or spa surface area. This applies to fiber optic or florescent lighting also.
45. Fencing Requirements (Also see fencing diagram)
Enclosure:
 - a) One, or a combination of the following; a fence, portion of a building, wall, or other approved durable barrier must enclose the pool.
 - b) Doors, openable windows, gates of living quarters, and associated private premises are not permitted as part of the pool enclosure.
 - c) The enclosure, doors, and gates must meet all of the following specifications:
 - The enclosure must have a minimum effective perpendicular height of 5 ft. measured from the outside as depicted in figures 31B-4 and 31B-5 in the pool code.
 - Openings, holes, or gaps in the enclosure, doors and/or gates must be spaced less than 4 in. apart. The bottom of the enclosure must be within 2 in. of the finished grade.
 - The enclosure must be designed and constructed so that small children cannot readily climb it. Horizontal and diagonal member designs, which

might serve as a ladder for small children, are prohibited. Horizontal members shall be spaced at least 48 in. apart. Planters or other structures cannot encroach upon the clear span area as depicted in figure 9024(b). Chain link may be used provided that the openings are not greater than 1 3/4 in. measured horizontally.

- d) Gates and doors opening into the pool enclosure shall also meet the following specifications:
- Gates and doors must be equipped with self-enclosing and self-latching devices. The self-latching device must be designed to keep the gate or door securely closed. Gates and doors must open outward away from the pool except where the law requires them to open inward. Hand activated door and gate opening hardware must be located at least 3 ½ feet above the deck or walkway. Exception: doors leading from hotels and motels as defined in the Business and Professions Code Section 25503.16 (b), that are open to the general public, e.g., restaurants, lobbies, bars, meeting rooms, and retail shops.
 - Except as otherwise stated, gates and doors must be able to lock during times when the pool is closed. Exit doors that comply with Chapter 33 meet these requirements.
 - For emergency purposes, the pool enclosure must have at least one means of egress without a key. Those gates/and or doors that allow egress without a key, shall be clearly and conspicuously labeled in letters at least 4 in. high- "EMERGENCY EXIT."
 - The enclosure must be designed and constructed so that all persons must pass through common pool enclosure gates or doors in order to gain access to the pool area. All exit gates and doors must open into a public area or walkway accessible by all patrons of the pool.

Retroactivity: Sections (a) and (b) apply only to a public swimming pool constructed on or after July 1, 1994.

46. Any solar heating system connected to a pool or spa must be separate from the recirculation system with its own pump, split suction, and return lines.
47. Supplemental heat transfer systems for pools or spas must not interfere with proper functioning of the recirculation system or reduce the filtration rate below the required minimum. These types of systems will be reviewed on a case-by-case basis to determine if double wall vented heat exchangers are required.
48. A body-hook with a pole at least 12 ft. long is required (spas exempt).
49. A life ring with rope attached is required. The rope must be as long as the width of the pool (spas exempt).
50. A sign, in letters 4 in. high, stating, "WARNING-NO LIFEGUARD ON DUTY- CHILDREN UNDER THE AGE OF 14 SHOULD NOT USE POOL WITHOUT AN ADULT IN ATTENDANCE" is required.
51. An illustrated artificial respiration sign is required.
52. In pools with a maximum depth of 6 ft. or less, a sign with letters at least 4 in. high

stating, “NO DIVING” is required.

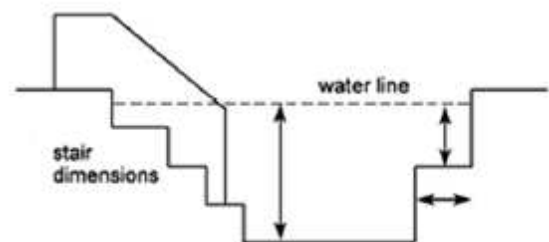
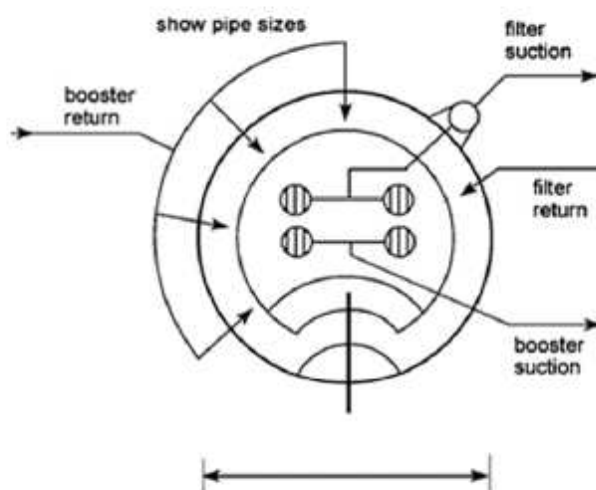
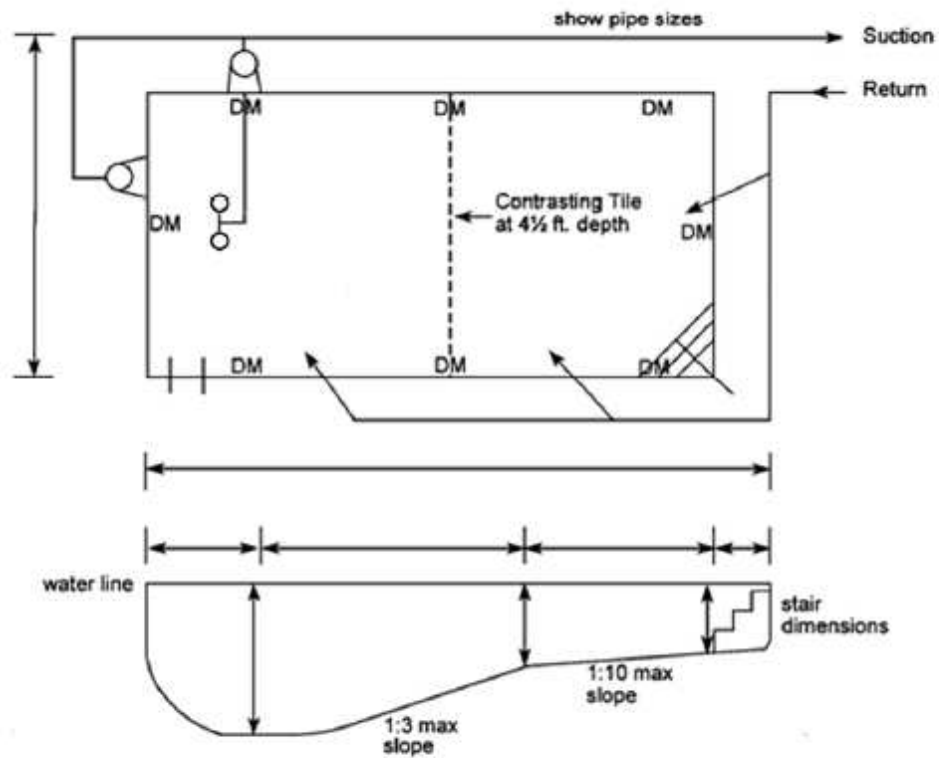
53. A sign, with letters at least 4 in. high, must be posted indicating the maximum number of occupants allowed for each pool or spa. The occupant capacity shall be based on one bather for every 20 sq. ft. for swimming pools and one bather for every 10 sq. ft. for spas.
54. Provide adequate floor space for pool equipment in a location, which facilitates easy access to the equipment.
55. All metal pools require a cathodic protection system to limit electrolysis. In-ground installation of aluminum pool shells are prohibited.
56. Floating type pool covers are limited to pools where there is constant supervision with a responsible person opening the pool and removing the cover and closing the pool each day. Permanent or safety type pool covers must not obstruct the deck in any way, and also must not interfere with the coping requirements. Permanent or safety type pool covers must be submitted to this Department for approval, and be ANSI approved.
57. If contrasting tile is used along the edge of pool steps, it must be no greater than 4 in. wide and slip-resistant.

ADDITIONAL REQUIREMENTS FOR POOS AND SPAS

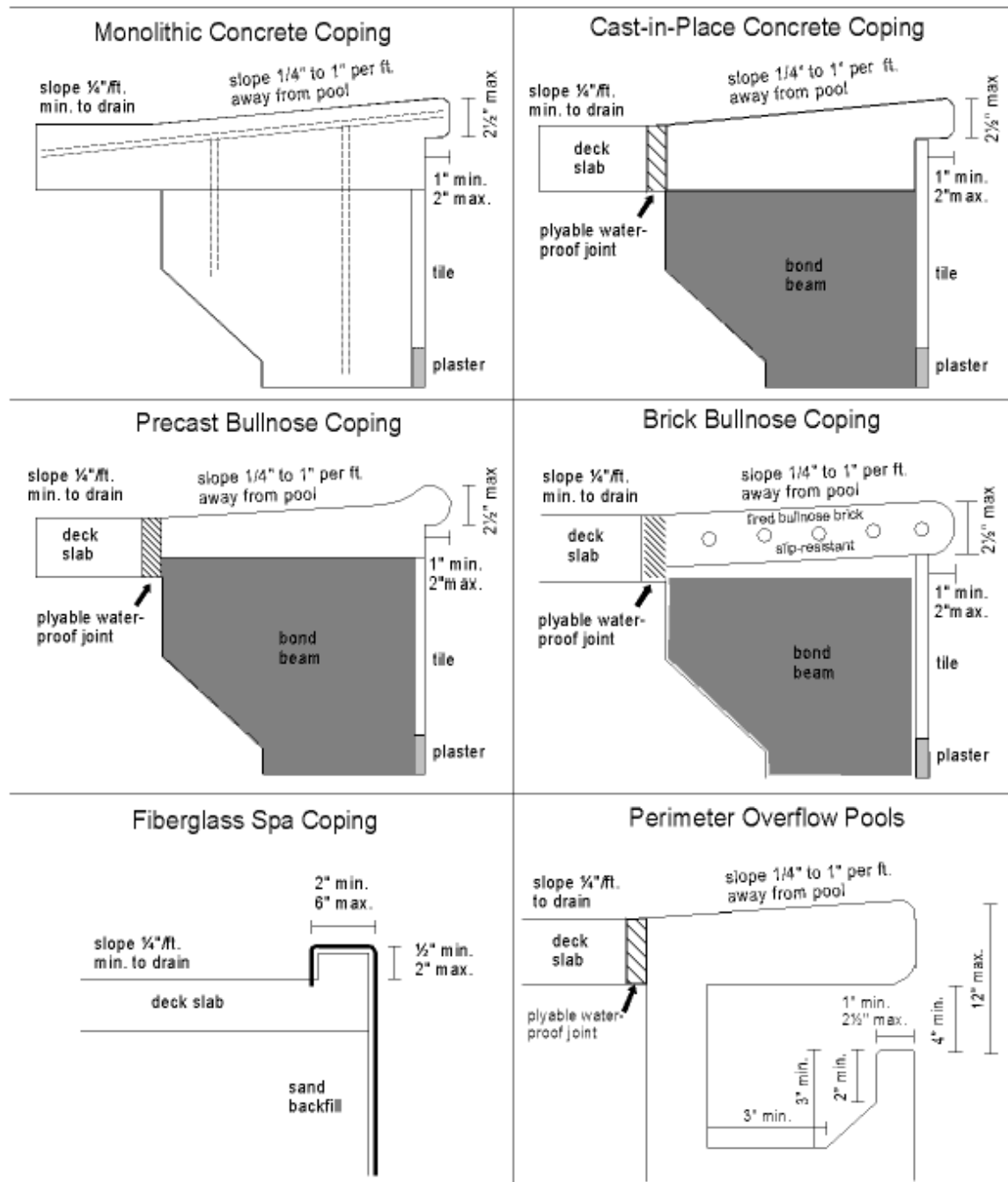
1. The water surface area of a spa must not exceed 250 sq. ft. and the water depth must not exceed 4 ft. The water depth over the benches must not exceed 24 in.
2. All spas must have benches extending around the entire perimeter of the spa and have an aeration system sufficient enough to cover the entire surface of the spa. Spas constructed or intended for use as swim spas are prohibited. In spas where there is the possibility of someone swimming, the following sign, in letters 4 in. high, may be required to be posted: “ NO SWIMMING- IT HAS BEEN DETERMINED THAT SWIMMING IN ELEVATED WATER TEMPERATURES MAY BE HAZARDOUS TO YOUR HEALTH.” There must be no abrupt changes in the height of spa benches. Any changes in elevation must not exceed a slope of 1:10. Special-use spas used by persons under medical supervision may be exempt from some or all of the above requirements.
3. Spa benches must be a minimum of 12 in. but not more than 24 in. in width. The clearance between parallel benches in a spa must be at least 30 in. The floors of spas are required to have a minimum length and width, or diameter of 30 in.
4. A continuous unobstructed 4 ft. wide, slip-resistant, non-abrasive deck area of concrete-like material must be provided flush with the top of the spa pool, and extend around at least 50 percent of its perimeter. Spa steps must be located where the deck is at least 4 ft. wide. If the deck is raised, it must have a protective railing extending around the entire perimeter including areas not requiring a 4-ft deck.

5. Landscape planters, flower beds, or similar unpaved areas shall not be located within 4 ft. of a spa or pool, unless such areas are behind a solid wall at least 5 ft. in height as measured from the outside.
6. A spa pool aeration and/or hydro-jet system must be completely separate from its filtration system and must not be interconnected with any non-spa pool.
7. A return line is required in a spa for each 50 gpm of designed filtration rate of fraction thereof (design rate means output of pump at 60 ft. of head). Example: if a spa has a required turnover rate of 78 gpm, it must have 2 return lines.
8. A spa pool must have a minimum of two depth markers.
9. The maximum allowable water temperature of a spa is 104 degrees Fahrenheit.
10. A warning sign regarding the use of spa pools must be posted adjacent to a spa pool. (See pool code for sign language).
11. Fiberglass or acrylic spas must be on this department's approved equipment list. Only white or light pastel colors are permitted. Tile samples must be submitted for slip-resistance and color approval.
12. Fiberglass spas with coping as part of the pool shell extending out onto the deck shall have the following dimensions:
 - The height must be at least 1/2 in. but not more than 2 in. above the deck.
 - The width must be at least 2 in. and not exceed 6 in.
 - The width must not be sloped and must be slip resistant (See coping illustration at back of requirements).
13. Contrasting tile along the edge of the benches and steps is not required, but recommended. If installed, it must be no greater than 4 in. in width and slip-resistant.
14. A single clearly labeled emergency (on/off type) shut-off switch is required. It must be readily accessible and visible from the spa, and shut off all filtration, booster, and blower pumps.
15. For fiberglass spas, waterline tile around the entire perimeter of the pool is required.
16. Cold plunges are permitted under the following conditions:
 - The maximum size is 49 sq. ft. and the maximum depth is 4 ft.
 - The cold plunge must be built in conjunction with a hot spa.
 - The cold plunge must have a refrigeration system or other means to cool the water.
 - Recirculation system requirements must comply with hot spa standards.
 - A ladder and grab-rail may be used in lieu of stairs.
 - Benches may be omitted.

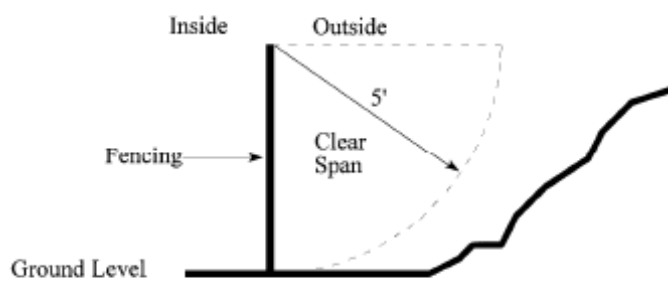
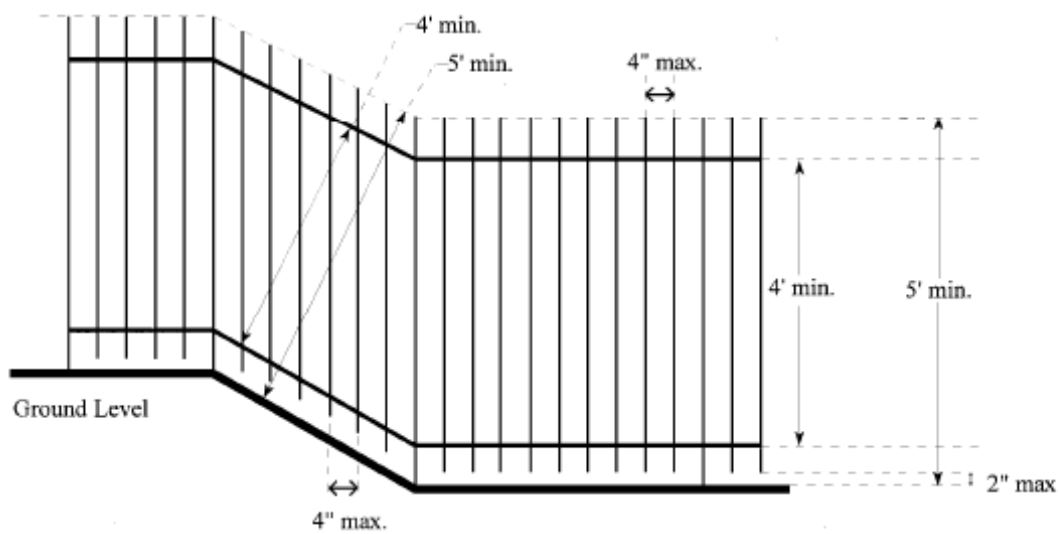
DIAGRAMS AND SPECIFICATIONS



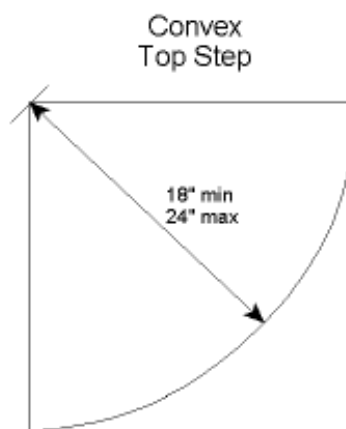
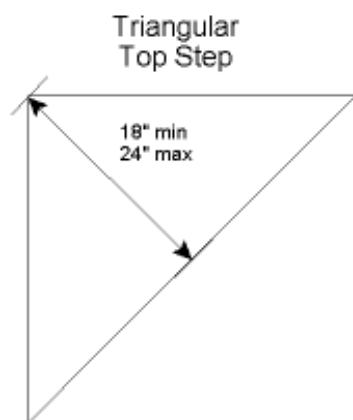
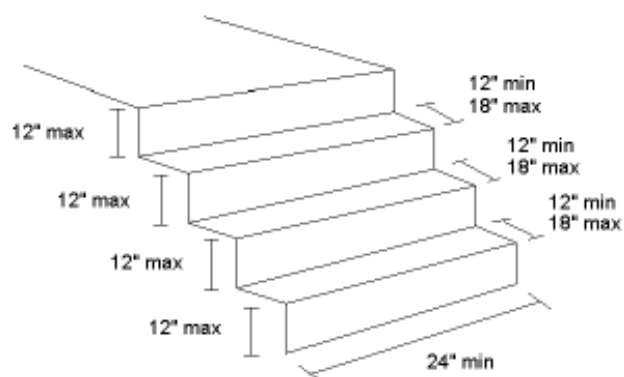
APPROVED COPING



APPROVED POOL ENCLOSURE FENCING



STAIR DIMENSIONS



APPROVED HANDRAIL CONFIGURATION

